# (19) World Intellectual Property Organization International Bureau



### 🖟 1 MATA BUTUNKI MUNIK MUNIK BUNIK BUNIK

## (43) International Publication Date 25 August 2005 (25.08,2005)

# (10) International Publication Number WO 2005/078979 A3

(51) International Patent Classification: *H04L 29/06* (2006.01)

(21) International Application Number:

PCT/GB2005/000386

(22) International Filing Date: 4 February 2005 (04.02.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: GB 0402654.8

6 February 2004 (06.02.2004) GH

(71) Applicant (for all designated States except US): OR-ANGE SA [FR/FR]; TMM 24e Floor, 6 Place d'Alleray, F-75505 Paris Cedex 15 (FR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): CHEN, Xiaobao [CN/GB]; 17 Beech Drive, Swindon SN5 5DQ (GB).

(74) Agents: CROSS, James, P. A. et al.; R.G.C. Jenkins & CO., 26 Caxton Street, London SW1H 0RJ (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

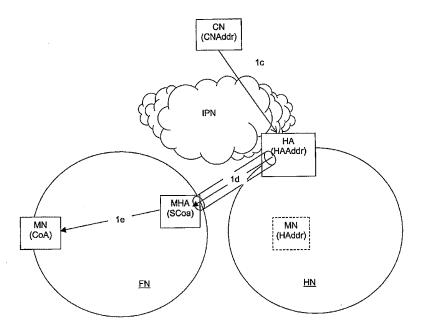
#### Published:

with international search report

(88) Date of publication of the international search report: 18 January 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TELECOMMUNICATIONS



(57) Abstract: In a MIPv6 network, a mobile home agent (MHA) in a foreign network (FN) acts as an intermediate node between a mobile node (MN) and a correspondent node (CN) and allocates itself a secondary care-of address (SCoA) different from the care-of address (CoA) of the mobile node (MN), with a one-to-one relationship between the secondary care-of address (SCoA) and the home address (HAddr) of the mobile node.

#### INTERNATIONAL SEARCH REPORT

International Application No PCT/GB2005/000386

A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER H04L29/06				
According to international Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS	SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04L					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic de	ata base consulted during the international search (name of data base	and, where practical, search terms used)			
EPO-Internal, WPI Data					
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No.		
х	HESHAM SOLIMAN ET AL: "Hierarchi Mobile IPv6 mobility management ( <draft-ietf-mobileip-hmipv6-08.tx) IETF STANDARD-WORKING-DRAFT, INTE ENGINEERING TASK FORCE, IETF, CH vol. mobileip, no. 8, June 2003 XP015002676 ISSN: 0000-0004 abstract</draft-ietf-mobileip-hmipv6-08.tx) 	(HMIPv6) kt>" ERNET	1-4, 9-11, 14-16, 18-24		
Υ .	page 3 - page 7		5-8,12, 13,17		
	Dat 200 100 100 100	,	•		
	•	-/			
X Further documents are listed in the continuation of box C. Patent family members are listed in annex.					
° Special categories of cited documents : "T" later document published after the international filling date					
*A" document defining the general state of the art which is not considered to be of particular relevance or priority date and not in conflict with the application but offed to understand the principle or theory underlying the invention			he application but ory underlying the		
"E" earlier document but published on or after the international filling date "X" document of particular relevance; the claimed cannot be considered novel or cannot be considered novel or cannot be considered novel or cannot be comment which may throw doubts on priority claim(s) or involve an inventive step when the document			be considered to		
which is cited to establish the publication date of another district or other special reason (as specified)  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document referring to an oral disclosure, use, exhibition or document is combined with one or more other such docu-					
"P" docume	means nit published prior to the International filing date but an the priority date claimed	ments, such combination being obvious to a person skilled in the art. &" doournent member of the same patent family			
Date of the actual completion of the international search  Date of mailing of the international search  Date of mailing of the international search					
27 May 2005 03/06/2005					
Name and mailing address of the ISA  Authorized officer  European Patent Office, P.B. 5818 Patentiaan 2					
European Patent Omce, P.B. 36 16 Patentiaan 2 NL - 2280 HV Rijewijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nł, Fax: (+31-70) 340-3016		Blanco Cardona, P			

### INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2005/000386

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	FC17 dB20037 000300
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	PERKINS C ET AL: "Route Optimization in Mobile IP. draft-ietf-mobileip-optim-09.txt" IETF MOBILE IP WORKING GROUP. INTERNET-DRAFT, 15 February 2000 (2000-02-15), XP002151964 abstract	1,10
Υ	page 3, paragraph 1 - page 4, paragraph 2	5-8,12, 13,17
	·	
•		
•		